

RADIO FIX AND HOLDING DATA RECORD

NAME: FOGSO

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253749.12N/0804412.13W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	DOLPHIN	DHP	VORTAC	VH	248.30	244.30	23.33	23.33	1500	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V157	1				(US)
IAP	RNAV (GPS) Z RWY 12			MIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L			TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R			TMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 05/14/2026

REASON FOR REVISION:

FIX USE REMOVED RNAV (RNP) Y RWY 12 @ KMIA

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A433

NAME: JOSHUA DUGAN

APPROVED BY:

DATE: 04/09/2026

OFFICE: AJV-A433

NAME: ROBERT HAMILTON

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HAXAM

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253803.98N/0803812.22W

TYPE: WP, INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	MIAMI	I-TMB	LOC		273.31	267.31		11.90	2100	6000
2	DOLPHIN	DHP	VORTAC	VH	241.64	237.64		18.47	2100	6000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	W		WP	273.23	093.23	L	4	2000 6000	4 6
2	W	I-TMB	LOC	273.31	093.31	L	1	2000 6000	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	253724.00N/0804027.00W	210	4B
2	200	AAO	253724.00N/0804027.00W	210	4B

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST
PAT 2 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1, 2	2	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 27L		1	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R		1	TMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX TYPE: ADDED INT.
2. FIX MAKE-UP FACILITIES: ADDED MIAMI (I-TMB) LOC AND DOLPHIN (DHP) VORTAC.
3. ADDED HOLDING PATTERN 2, REASON FOR NONSTANDARD HOLDING AND CONTROLLING OBSTACLE.
4. UPDATED HOLDING PATTERN 1 CONTROLLING OBSTRUCTION FROM 219 AAO 253738.58N/0803841.78W (4E) TO 210 AAO 253724.00N/0804027.00W (4B).
5. FIX USE: ADDED ILS OR LOC RWY 09R AT TMB.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
39
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LAYDN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 253821.59N/0803127.86W

TYPE: WP, INT

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	MIAMI	I-TMB	LOC		273.31	267.31		5.80	35261	1500	2500
2	DOLPHIN	DHP	VORTAC	VH	228.72	224.72		13.51		1500	2500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9R	1, 2		TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R			TMB	MIAMI	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

1. FIX MOVED 2.30 FEET FROM 253821.59N/0803127.83W TO 253821.59N/0803127.86W.
2. FIX MAKE-UP FACILITIES: UPDATED MIAMI (I-TMB) DIST FROM FAC FEET FROM 35259 TO 35261.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: BARBARA GORMAN

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

QUALITY
39
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RADIO FIX AND HOLDING DATA RECORD

NAME: VIRGINIA KEY VOR/DME STATE: FL COUNTRY: US ICAO REGION CODE: K7
 LATITUDE/LONGITUDE: 254506.85N/0800916.00W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	VIRGINIA KEY	VKZ	VOR/DME	VH						45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SE	VKZ	VOR/DME	120.00	300.00	L	1		2100	6000	4	12
2	SE		WP	120.00	300.00	L		4	3000	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
1	310	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
2	200	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A
2	310	BUILDING (12-026968)	254641.23N/0801102.87W	1049	1A

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUESTED
 PAT 2 ATC REQUESTED.

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 8R (ALT MA)	MIA	MIAMI	FL (US)
1	ILS OR LOC RWY 12	KMIA	MIAMI	FL (US)
1	ILS OR LOC RWY 9	KMIA	MIAMI	FL (US)
2	RNAV (GPS) RWY 9	KMIA	MIAMI	FL (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 4W/1995.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FT. LAUDERDALE			FLL	FORT LAUDERDALE	FL (US)
DP	FT. LAUDERDALE			FXE	FORT LAUDERDALE	FL (US)
DP	MIAMI			HWO	HOLLYWOOD	FL (US)
DP	MIAMI			X51	HOMESTEAD	FL (US)
DP	MIAMI			MIA	MIAMI	FL (US)
DP	MIAMI			OPF	MIAMI	FL (US)
DP	MIAMI			TMB	MIAMI	FL (US)
DP	MIAMI			TNT	MIAMI	FL (US)
DP	FT. LAUDERDALE			PMP	POMPANO BEACH	FL (US)
DP	PALM BEACH			PBI	WEST PALM BEACH	FL (US)
EN ROUTE	AR11					(US)
EN ROUTE	AR17					(US)
EN ROUTE	BR53V					(US)
EN ROUTE	BR64V					(US)
EN ROUTE	BR66V					(US)
EN ROUTE	G430					(US)
IAP	ILS OR LOC RWY 28R			FLL	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 9			FXE	FORT LAUDERDALE	FL (US)
IAP	ILS OR LOC RWY 12		1	MIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27		1	MIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 30 (ALT MA)			MIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9		1	MIA	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9		2	MIA	MIAMI	FL (US)
IAP	RNAV (GPS) Z RWY 12		2	MIA	MIAMI	FL (US)
IAP	ILS OR LOC RWY 27R			OPF	MIAMI	FL (US)
IAP	ILS OR LOC RWY 9R (ALT MA)		1	TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9L			TMB	MIAMI	FL (US)
IAP	RNAV (GPS) RWY 9R			TMB	MIAMI	FL (US)
IAP	ILS OR LOC RWY 8R (ALT MA)		1	MIA	MIAMI	FL (US)
STAR	FOWEE			HST	HOMESTEAD	FL (US)
STAR	FOWEE			X51	HOMESTEAD	FL (US)
STAR	FOWEE			07FA	KEY LARGO	FL (US)
STAR	FOWEE			TMB	MIAMI	FL (US)
STAR	FOWEE			MIA	MIAMI	FL (US)

QUALITY
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REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 23

DATE OF REVISION: 09/03/2026

REASON FOR REVISION:

FIX USE: ADDED DP MIAMI AT KTNT AND X51.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE: 07/30/2026

OFFICE: AJV-A422

NAME: RAKE MCGRAW

SIGNATURE:

QUALITY
39
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